

ABSTRACT

A Christmas tree stand has a base for supporting the stand above a ground level and a shell having a lateral surface. The shell is disposed atop the base so as to define an inner volume and the shell houses electrical components within the inner volume. The
5 shell has a plurality of holes disposed on a top portion of the lateral surface that provide ventilation between the inner volume and an outside environment. Further, the shell has a flange overhanging the top portion of the lateral surface so as to shield the holes. A base may also be provided for the Christmas tree stand including an elevated
10 surface and a support structure for supporting the elevated surface above the ground level. Finally, the elevated surface may define one surface of the inner volume. Other thermodynamically efficient configurations are provided. Certain safety mechanisms are provided in relation to modular electronics platforms.